

CLAIMS

What is claimed is:

1. A method for calculating edge functions for a patch of pixels,
comprising the actions of:
computing edge function values for at least one interior point within
said patch; and
computing edge function values for multiple other points within said
patch, using an arithmetic combination of
said edge function values for said interior point,
together with previously computed values of said edge functions
for points on the border of said patch,
together with a reduced set of offset vectors.

1 2. A method for calculating edge functions for a patch of points,
2 comprising the actions of:
3 computing the value of an edge function at an interior reference
4 point within said patch, and at a boundary reference point on
5 the edge of said patch; and
6 assessing the value of said edge function at multiple other points
7 within said patch, by comparing
8 the value of said edge function at a respective reference point,
9 which may be said interior reference point or said
10 boundary reference point or a previously computed
11 reference point,
12 with
13 the delta value of said edge function for a respective one of a
14 reduced set of offset vectors;
15 wherein said reduced set of offset vectors does not include vectors
16 which are complements or shifts of each other.

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